

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/005244

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H05B3/34 G05D23/19

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05D H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 320 157 A (DREAMLAND ELECTRICAL APPLIANCE) 14 June 1989 (1989-06-14)	1,3-5, 10,13,14
Y	column 6, lines 24-40 column 7, lines 38-65; figures 1-4	2,11
Y	DE 41 41 224 A (BAUERHIN I G ELEKTRO TECH) 17 June 1993 (1993-06-17) abstract; figure 3	2,11
A	US 4 897 527 A (CRIPPS ALAN H ET AL) 30 January 1990 (1990-01-30) column 1, line 30 - column 2, line 60; figures 1-3	1-15

-/-- EXPRESS MAIL NO EV47806796465

MAILED

16 MAR 2005

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

24 September 2004

Date of mailing of the international search report

30/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Goetz, P

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/005244

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 549 074 A (MATSUO KATSU HARU) 22 October 1985 (1985-10-22) column 1, line 33 - column 2, line 2 column 4, line 17 - column 8, line 55; figures 1-6 -----	1
A	US 4 658 119 A (ENDO SHINICHI ET AL) 14 April 1987 (1987-04-14) column 2, lines 1-30; figures 1-3 -----	1
A	DE 29 15 797 A (MATSUSHITA ELECTRIC IND CO LTD) 25 October 1979 (1979-10-25) page 8, line 2 - page 10, line 15; figures 1-7 -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/005244

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0320157	A	14-06-1989	GB 2213287 A	09-08-1989
			AT 94714 T	15-10-1993
			AU 2805789 A	05-07-1989
			DE 3884160 D1	21-10-1993
			DE 3884160 T2	13-01-1994
			EP 0320157 A1	14-06-1989
			WO 8905560 A1	15-06-1989
DE 4141224	A	17-06-1993	DE 4141224 A1	17-06-1993
US 4897527	A	30-01-1990	AT 58764 T	15-12-1990
			AU 584039 B2	11-05-1989
			AU 5866686 A	04-12-1986
			CA 1267676 A1	10-04-1990
			DE 3675893 D1	10-01-1991
			DK 7887 A	08-01-1987
			EP 0222808 A1	27-05-1987
			ES 8707321 A1	01-10-1987
			FI 870065 A	08-01-1987
			WO 8606767 A1	20-11-1986
			GB 2175105 A ,B	19-11-1986
			NO 870081 A	27-02-1987
			PT 82555 A ,B	01-06-1986
US 4549074	A	22-10-1985	JP 59016024 A	27-01-1984
			JP 59022110 A	04-02-1984
			GB 2123994 A ,B	08-02-1984
			KR 8701656 B1	18-09-1987
			KR 8701657 B1	18-09-1987
US 4658119	A	14-04-1987	JP 1796354 C	28-10-1993
			JP 5000837 B	06-01-1993
			JP 60258886 A	20-12-1985
			KR 8905079 B1	09-12-1989
DE 2915797	A	25-10-1979	JP 54138978 A	27-10-1979
			DE 2915796 A1	25-10-1979
			DE 2915797 A1	25-10-1979
			US 4277670 A	07-07-1981
			US 4277671 A	07-07-1981